

**STATE FOREST LAND
ENVIRONMENTAL CHECKLIST**

Purpose of Checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can. *Questions in italics are supplemental to Ecology's standard environmental checklist. They have been added by the DNR to assist in the review of state forest land proposals. Adjacency and landscape/watershed-administrative-unit (WAU) maps for this proposal are available on the DNR internet website at <http://www.dnr.wa.gov> under "SEPA Center." These maps may also be reviewed at the DNR regional office responsible for the proposal. This checklist is to be used for SEPA evaluation of state forest land activities.*

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later. *All of the questions are intended to address the complete proposal as described by your response to question A-11. The proposal acres in question A-11 may cover a larger area than the forest practice application acres, or the actual timber sale acres.*

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NON PROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer" and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Timber Sale Name: **BIG RATTLESNAKE**

Agreement #: **30-02841**

2. Name of applicant: **Department of Natural Resources**

3. Address and phone number of applicant and contact person: **Charlie McKinney 713 Bowers Road Ellensburg Wa 98926
(509) 925-8510**

4. Date checklist prepared: **04/17/2006**

5. Agency requesting checklist: **Department of Natural Resources (DNR)**

6. Proposed timing or schedule (including phasing, if applicable):

a. Auction Date: **Spring 2007**

b. Planned contract end date (but may be extended): **Fall 2007**

c. Phasing: **N/A**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Timber Sale

a. Site preparation: **Distribute logging slash during the harvest to avoid concentrations.**

b. Regeneration Method: **Hand planting of Douglas fir seedlings in the regeneration harvest units.**

c. Vegetation Management: **If needed herbicide spot treatment by ground application will follow DNR procedures and guidelines. Needs will be assessed at completion of harvest.**

d. Thinning: **Site will be assessed in 15-20 years to determine if precommercial thinning is needed**

Roads: **N/A**

Rock Pits and/or Sale: **N/A**

Other: **N/A**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
- ☐ 303 (d) – listed water body in WAU: ☐temp ☐sediment ☐completed TMDL (total maximum daily load):
- ☐Landscape plan:
- ☒Watershed analysis: **Panakanic Watershed Analysis dated August 1997.**
- ☐Interdisciplinary team (ID Team) report:
- ☒Road design plan: **Road plan.**
- ☒Wildlife report: **SE regional biologist.**
- ☐Geotechnical report:
- ☒Other specialist report(s): **DNR Cultural Resource Survey.**
- ☐Memorandum of understanding (sportsmen’s groups, neighborhood associations, tribes, etc.):
- ☐Rock pit plan:
- ☒Other: **Policy for Sustainable Forests (PSF), Environmental Impact Statement(EIS) adopted July 31, 1992 and DNR Habitat Conservation Plan (HCP) adopted January 30, 1997, and amended for the Klickitat Planning Unit April 2004.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **No.**

10. List any government approvals or permits that will be needed for your proposal, if known.
- ☐HPA ☒Burning permit ☐Shoreline permit ☒Incidental take permit ☒FPA # **2703684** ☐Other:

11. Give brief, complete description of our proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include specific information on project description.)
- a. Complete proposal description: **Approximately 400 acres of state trust lands were available for harvest. The Big Rattlesnake Timber Sale is a proposal for a regeneration harvest on one unit totaling 85 acres. Stand types, harvesting methods, efficiency and environmental protection delineated unit boundaries. This proposal involves timber harvest, road construction, reconstruction and maintenance on one harvest unit. Approximately 3.2 MMbf will be removed. Timber will be harvested using mobile ground based equipment. The timber sale is in the Panakanic WAU. With respect to the HCP and Amendment #1, this proposal is in No Role lands. The harvest unit is in the Rattlesnake Creek drainage in parts of Section 31, Township 5 North, Range 12 East, W.M., approximately 11 miles northeast of Husum, Washington.**
- b. Timber stand description pre-harvest (include major timber species and origin date), type of harvest, overall unit objectives. **Stand composition in the sale area is Douglas fir, grand fir and ponderosa pine. Stand age is approximately 95 years old. Stand types, harvesting methods, economic consideration and environmental protection delineated unit boundaries. The objectives of this harvest are to provide financial return to trust beneficiaries and manage the forest in accordance with the HCP and Amendment #1. Unit #1 is a 85 acre stand that will be regenerated and return the stand to an early seral condition. Even aged harvesting leaving 8 dominant and co-dominant trees per acre will accomplish this objective. Following the harvest, a mixture of Douglas fir will be planted at approximately 300 trees per acre.**

No live Douglas fir, ponderosa pine or western larch trees 28” DBH or larger and 160 years of age or older will be harvested as part of this proposal.

- c. Road activity summary. See also forest practice application (FPA) for maps and more details.

Type of Activity	How Many	Length (feet) (Estimated)	Acres (Estimated)	Fish Barrier Removals (#)
Construction		696	0.24	
Reconstruction				
Abandonment				
Bridge Install/Replace				
Culvert Install/Replace (fish)				
Culvert Install/Replace (no fish)				

12. Location of proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. (See timber sale map. See also color landscape/WAU map on the DNR website <http://www.dnr.wa.gov> under “SEPA Center.”)
- a. Legal description: **Parts of Section 31, Township 5 North, Range 12 East, W.M. in Klickitat County.**
- b. Distance and direction from nearest town (include road names): **This proposal is approximately 11 miles from Husum, WA and can be accessed from Highway 141 to Oak Ridge Road to Rattlesnake Road.**
- c. Identify the watershed administrative unit (WAU), the WAU Sub-basin(s), and acres. (See also landscape/WAU map on DNR website <http://www.dnr.wa.gov> under “ SEPA Center.”)

WAU Name	WAU Acres	Proposal Acres
PANAKANIC	37955	85

Panakanic Watershed Analysis: The proposal is not within any area of resource sensitivity.

13. Discuss any known future activities not associated with this proposal that may result in a cumulative change in the environment when combined with the past and current proposal(s). (See digital ortho-photos for WAU and adjacency maps on DNR website <http://www.dnr.wa.gov> under “SEPA Center” for a broader landscape perspective.)
- The DNR manages 8118 acres, or 21% of the 29803 acres within the Panakanic WAU. The forestland in this WAU is managed as DFC/No Role under the Klickitat Planning Unit of the DNR’s HCP. Past management has been a combination of even-aged and uneven-aged harvest types.**

Within the past seven years according to DNR’s GIS Forest Practice database, dated 7/25/2005, the total number of acres of even-aged harvest was 3407 acres or 11% of the WAU. The DNR had 178 acres (1%) of even-aged harvest. The total acres of

uneven-aged harvest in the same period was 4397 acres, or 15% of the WAU. The DNR had 36 acres of uneven-aged harvest or less than 1% of the WAU. The DNR has plans for uneven management on 740 acres and even-aged harvest on 158 acres in the next two years in this WAU. The cumulative change to the WAU from these harvests will be minimal.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (check one):

☒Flat, ☐Rolling, ☐Hilly, ☐Steep Slopes, ☐Mountainous, ☐Other:

- 1) *General description of the WAU or sub-basin(s) (landforms, climate, elevations, and forest vegetation zone).*
The Panakanic WAU is a low elevation (average 1900 feet), mostly forested, and moderately productive WAU with an average precipitation of 42 inches per year. The forest vegetation series ranges from dry grand fir to Douglas-fir Oregon oak, with Douglas-fir and ponderosa pine being the predominant species. The land is mainly flat to rolling with moderate slopes and stable soils.
- 2) *Identify any difference between the proposal location and the general description of the WAU or sub-basin(s).*
The sale is in a loam soil type that has a low mass wasting and a low to medium erosion potential.

b. What is the steepest slope on the site (approximate percent slope)? **There are portions of unit one (15%) that are approximately 15% slope.**

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. *Note: The following table is created from state soil survey data. It is a roll-up of general soils information for the soils found in the entire sale area. It is only one of several site assessment tools used in conjunction with actual site inspections for slope stability concerns or erosion potential. It can help indicate potential for shallow, rapid soil movement, but often does not represent deeper soil sub-strata. The actual soils conditions in the sale area may vary considerably based on land-form shapes, presence of erosive situations, and other factors. The state soil survey is a compilation of various surveys with different standards.*

State Soil Survey #	Soil Texture or Soil Complex Name	% Slope	Acres	Mass Wasting Potential	Erosion Potential
4693	LOAM	2-8	85	INSIGNIFICANT	LOW

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

- 1) *Surface indications:***No.**
- 2) *Is there evidence of natural slope failures in the sub-basin(s)?*
☒No ☐Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:
- 3) *Are there slope failures in the sub-basin(s) associated with timber harvest activities or roads?*
☒No ☐Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:
Associated management activity:
- 4) *Is the proposed site similar to sites where slope failures have occurred previously in the sub-basin(s)?*
☒No ☐Yes, describe similarities between the conditions and activities on these sites:
- 5) *Describe any slope stability protection measures (including sale boundary location, road, and harvest system decisions) incorporated into this proposal.*
Protection measures will include using designated skid trails, which will be rehabilitated by placing slash on them and water barred upon completion of all logging activities. The prescriptions in the Panakanic Watershed Analysis were utilized in the sale boundary location, roads, and harvest system decisions. Steep slopes adjacent to Type Np draws were excluded from the sale. Minor new road construction will be occurring on a relatively flat portion of the sale area. Clear-cut units will be replanted with Douglas fir seedlings post harvest.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.
Approx. acreage new roads: 0.24 Approx. acreage new landings: 1 Fill source: N/A

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Minor erosion may occur on disturbed surfaces during seasonal snowmelt and spring thaw. Erosion will be minimized by the measures listed in H. below.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads): N/A*

h. Propose measures to reduce or control erosion, or other impacts to the earth, if any:
(Include protection measures for minimizing compaction or rutting.) **Use of existing roads and skid trails and a seasonal haul restriction will minimize runoff and erosion. Some of the reconstruction work will improve drainage.**

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust from truck traffic, rock mining, crushing or hauling, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known. **Minor amounts of exhaust and road dust will be created during the operation. Slash burning smoke would occur if any landing piles are burned, but only for a short duration.**
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **No.**
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: **Any slash burning will be done following the DNR Smoke Management rules.**

3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. (See timber sale map and forest practice base maps.)
- a) Downstream water bodies: : **Rattlesnake Creek, a Type S water, is approximately 1300 feet east of Unit #1. It flows into the White Salmon River.**

b) Complete the following riparian & wetland management zone table:
- | Wetland, Stream, Lake, Pond, or Saltwater Name (if any) | Water Type | Number (how many?) | Avg RMZ/WMZ Width in Feet (per side for streams) |
|---|------------|--------------------|--|
| N/A | | | |
- c) List RMZ/WMZ protection measures including silvicultural prescriptions, road-related RMZ/WMZ protection measures, and wind buffers. **N/A**

2) Will the project require any work over, in, or adjacent to (within 200 feet) to the described waters? If yes, please describe and attach available plans.
☒No ☐Yes (See RMZ/WMZ table above and timber sale map.)
Description (include culverts):

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.
None.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. (Include diversions for fish-passage culvert installation.)
☒No ☐Yes, description:

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
☒No ☐Yes, describe location:

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.
☒No ☐Yes, type and volume:

7) Does the sub-basin contain soils or terrain susceptible to surface erosion and/or mass wasting? What is the potential for eroded material to enter surface water? ? **Yes. There are highly erosive soils coincident with steep and potentially unstable slopes along drainages. Inner gorges along typed waters have the potential to deliver eroded materials to surface waters.**

8) Is there evidence of changes to the channels in the WAU and sub-basin(s) due to surface erosion or mass wasting (accelerated aggradations, erosion, decrease in large organic debris (LOD), change in channel dimensions)?
☒No ☐Yes, describe changes and possible causes:

9) Could this proposal affect water quality based on the answers to the questions 1-8 above?
☒No ☐Yes, explain:

10) What are the approximate road miles per square mile in the WAU and sub-basin(s)? **3.6 miles per square mile.** Are you aware of areas where forest roads or road ditches intercept sub-surface flow and deliver surface water to streams, rather than back to the forest floor?
☒No ☐Yes, describe:

11) Is the proposal within a significant rain-on-snow (ROS) zone? If not, **STOP HERE** and go to question B-3-a-13 below. Use the WAU or sub-basin(s) for the ROS percentage questions below.
☐No ☒Yes, approximate percent of WAU in significant ROS zone.
Approximate percent of sub-basin(s): **Panakanic WAU 67%**

12) If the proposal is within the significant ROS zone, what is the approximate percentage of the WAU or sub-basin(s) within the significant ROS zone (all ownerships) that is (are) rated as hydrologically mature? **Based on 1988 Landsat data, 61% of the WAU is moderately mature.**

13) Is there evidence of changes to channels associated with peak flows in the WAU or sub-basin(s)?
☒No ☐Yes, describe observations:

14) Based on your answers to questions B-3-a-10 through B-3-a-13 above, describe whether and how this proposal, in combination with other past, current, or reasonably foreseeable proposals in the WAU and sub-basin(s), may contribute to a peak flow impact. . **From regression analysis to determine sensitivity to increase in peak flows in the Panakanic Watershed Analysis the estimated potential increase are less than 10% and are considered low.**

15) Is there water resource (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity that could be affected by changes in surface water amounts, quality, or movements as a result of this proposal?
☒No ☐Yes, possible impacts:

16) Based on your answers to questions B-3-a-10 through B-3-a-15 above, note any protection measures addressing possible peak flow/flooding impacts.**None needed.**
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- b. Ground Water:
- Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known. **No.**
 - Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **N/A.**
 - Is there a water resource use (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or down slope of the proposed activity that could be affected by changes in groundwater amounts, timing, or movements as a result this proposal?*
☒ **No** ☐ *Yes, describe:*
 - Note protection measures, if any.*
- c. Water Runoff (including storm water):
- Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.
Road-related collection and runoff will be diverted to the forest floor and will not directly enter surface waters.
 - Could waste materials enter ground or surface waters? If so, generally describe. **No.**
 - Note protection measures, if any.* **None.**
- d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
(See surface water, ground water, and water runoff sections above, questions B-3-a-1-c, B-3-a-16, B-3-b-3-a, and B-3-c-2-a.)

4. Plants

- a. Check or circle types of vegetation found on the site:
- ☒ deciduous tree: ☐ alder, ☒ maple, ☐ aspen, ☐ cottonwood, ☐ western larch, ☐ birch, ☐ other:
☒ evergreen tree: ☒ Douglas fir, ☒ grand fir, ☐ Pacific silver fir, ☒ ponderosa pine, ☐ lodgepole pine,
 ☐ western hemlock, ☐ mountain hemlock, ☐ Englemann spruce, ☐ Sitka spruce,
 ☐ red cedar, ☐ yellow cedar, ☐ other:
☒ shrubs: ☐ huckleberry, ☐ salmonberry, ☐ salal, ☒ other: **Vine maple**
☐ grass
☐ pasture
☐ crop or grain
☐ wet soil plants: ☐ cattail, ☐ buttercup, ☐ bullrush, ☐ skunk cabbage, ☐ devil's club, ☐ other:
☐ water plants: ☐ water lily, ☐ eelgrass, ☐ milfoil, ☐ other:
☐ other types of vegetation:
☐ plant communities of concern:
- b. What kind and amount of vegetation will be removed or altered? *(See answers to questions A-11-a, A-11-b, B-3-a-1-b and B-3-a-1-c. The following sub-questions merely supplement those answers.)* **Approximately 3.2 MMbf of timber will be removed.**
- Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See landscape/WAU and adjacency maps on the DNR website at: <http://www.dnr.wa.gov> under "SEPA Center.")* **Mixed age Douglas fir, ponderosa pine and grand fir stands similar to the proposal.**
 - Retention tree plan:* **Approximately 8 trees per acre will be left in the clear cut units well distributed throughout the unit.**
- c. List threatened or endangered *plant* species known to be on or near the site.
Barrett's Beardtongue, a species of concern, is listed as being in the vicinity.
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

5. Animal

- a. Circle or check any birds animals or *unique habitats* which have been observed on or near the site or are known to be on or near the site:
- birds: ☒ hawk, ☐ heron, ☐ eagle, ☐ songbirds, ☐ pigeon, ☒ other: **Pileated Woodpecker**
 mammals: ☐ deer, ☒ bear, ☒ elk, ☐ beaver, ☐ other:
 fish: ☐ bass, ☐ salmon, ☐ trout, ☐ herring, ☐ shellfish, ☐ other:
unique habitats: ☐ talus slopes, ☐ caves, ☐ cliffs, ☒ oak woodlands, ☐ balds, ☐ mineral springs
- b. List any threatened or endangered species known to be on or near the site *(include federal- and state-listed species)*.
The Rattlesnake Creek-Mill Creek resident single spotted owl (status 4), site 1048, is 0.25 miles to the southwest of Unit #1. The nest site is not currently occupied. This proposal is consistent with DNR Amendment #1 to the HCP.
- c. Is the site part of a migration route? If so, explain.
☒ **Pacific flyway** ☐ *Other migration route:* *Explain if any boxes checked: The site is within the Pacific flyway, however is not used extensively by migratory waterfowl.*
- d. Proposed measures to preserve or enhance wildlife, if any:
- Note existing or proposed protection measures, if any, for the complete proposal described in question A-11.*
 Species /Habitat: **Snag dependent species** Protection Measures: **Protect significant snags.**

Species /Habitat: **Downed wood species**

Protection Measures: **Retain existing downed wood and meet or exceed minimum Forest Practices standards.**

6. Energy and Natural Resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. **None.**
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **No.**
- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: **N/A**

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.
 - 1) Describe special emergency services that might be required. **The area is covered by forest patrol assessment for DNR fire suppression needs.**
 - 2) Proposed measures to reduce or control environmental health hazards, if any: : **Logging slash may be piled and burned in accordance with DNR policies and DOE smoke management regulations.**
- b. Noise
 - 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **None.**
 - 2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from this site. **Logging operations will create noise in the immediate area during daylight hours.**
 - 3) Proposed measures to reduce or control noise impacts, if any: **None.**

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties? (*Site includes the complete proposal, e.g. rock pits and access roads.*) **Timber production and grazing.**
- b. Has the site been used for agriculture? If so, describe. **Permit range cattle grazing.**
- c. Describe any structures on the site. **None.**
- d. Will any structures be demolished? If so, what? **No.**
- e. What is the current zoning classification of the site? **Forest Resource.**
- f. What is the current comprehensive plan designation of the site? **Agriculture/Forestry.**
- g. If applicable, what is the current shoreline master program designation of the site? **N/A**
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. **No.**
- i. Approximately how many people would reside or work in the completed project? **None.**
- j. Approximately how many people would the completed project displace? **None.**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **N/A**
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **None.**

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **None.**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **None.**
- c. Proposed measures to reduce or control housing impacts, if any: **None.**

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principle exterior building material(s) proposed? **N/A**
- b. What views in the immediate vicinity would be altered or obstructed?
 - 1) *Is this proposal visible from a residential area, town, city, developed recreation site, or a scenic vista?*
☒ **No** ☐ **Yes, viewing location:**

- 2) *Is this proposal visible from a major transportation or designated scenic corridor (county road, state or interstate highway, US route, river, or Columbia Gorge SMA)?*
☒No ☐Yes, scenic corridor name:
- 3) *How will this proposal affect any views described in 1) or 2) above?* **N/A**

c. Proposed measures to reduce or control aesthetic impacts, if any: **None.**

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **Does not apply.**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **Does not apply.**
- c. What existing off-site sources of light or glare may affect your proposal? **Does not apply.**
- d. Proposed measures to reduce or control light and glare impacts, if any: **None.**

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? **Hunting, hiking, horseback riding.**
- b. Would the proposed project displace any existing recreational uses? If so, describe: **No.**
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **None.**

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for national, state, or local preservation registers known to be on or next to the site? If so, generally describe. **No.**
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. **None**
- c. Proposed measures to reduce or control impacts, if any:
(Include all meetings or consultations with tribes, archaeologists, anthropologists or other authorities.)
Should any cultural resources be identified within the sale boundaries during the timber harvest, work will cease in that area, a professional archeologist will be notified immediately, and a site protection plan will be developed.

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. **Rattlesnake road to Oak Ridge road to Highway 141.**
- 1) *Is it likely that this proposal will contribute to an existing safety, noise, dust, maintenance, or other transportation impact problem(s)?* **No.**
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? **No.**
- c. How many parking spaces would the completed project have? How many would the project eliminate? **None.**
- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). **Yes, for this proposal 696 feet of new road construction will be required.**
- 1) *How does this proposal impact the overall transportation system/circulation in the surrounding area, if at all?*
It does not impact the overall transportation system.
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **No.**
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. **10-20 log truck loads per day.**
- g. Proposed measures to reduce or control transportation impacts, if any: **Timber haul shall not be permitted between November 1st and May 1st unless authorized in writing by the contract administrator.**

15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. **The operation may temporarily increase the risk of wildfire, however the operator will be required to have fire suppression equipment on site when operating in the fire season.**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **None.**

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. **None.**
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **None.**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Completed by: ALBERT DURKEE, District Forester Date: _____

Reviewed by: _____ **Date:** _____
PETER T. STOCKS, District Manager

Reviewed by: CHARLIE MCKINNEY, Proprietary Forester Date: _____

Approved by: _____ **Date:** _____
GEORGE B. SHELTON, Assistant Region Manager